

Various Types of Invariant Systems of Simplest
Structure, by A. A. Dezin, 3 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Vol CXCVIII, No 1-6
1961, pp 1030-1041.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 472

Nov 61

Random walk on Groups with a Finite Number of
Generators, by E. S. Dynkin, M. B. Mal'nev,
4 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXXVII, No 1-6
1961, pp 1042-1045.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 473

Nov 61

Spectral Functions of Certain Classes of
Stationary Gaussian Processes, by
I. A. Ibragimov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CCCCXVII,
Nos 1-6, 1961, pp 1046-1048.

Amer Math Soc
Sov Math
Vol II, No 2

Sci
Oct 61

The Solution of the First Boundary Problem in the
Large for a Quasilinear Parabolic Equation, by
L. I. Kamynin, V. N. Maslennikova, 4 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Vol CXXVII, No 1-6
1961, pp 1049-1052.

Amer Math Soc
Sov Math
Vol II, No 2

172, 174

Sci
Nov 61

Nov 61

Tricomi's singular Problems in the Neighborhood
of a Finite and Infinite Singular Line, by
M. B. Kapilevic, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXVII, No 1-6
1961, pp 1053-1058.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 475

Nov 61

Some Estimates for Solutions of Elliptic Second-
Order Equations, by V. G. Maz'ya, 3 pp.

RUSSIAN, per Dokl. Ak. Nauk SSSR, Vol. CCXXVII, No. 1-6
1961, pp 1057-1059.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 476

Nov 61

On the Existence of Periodic Solutions of Certain
Nonlinear Systems, by V. A. Pliss, 3 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXXVII, No 1-6
1961, pp 1060-1062.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 477

Nov 61

Simple Subgroups of Simply-Connected real Simple
Lie Groups, by A. I. Sirota, 4 pp.

RUSSIAN, for Dok Ak Nauk SSSR, Vol CXXVII, No 1-6
1961, pp 1063-1066.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 178

For 61

On the Geometry of Cones in Riemann Space, by
Glebovskii, V. Ya., 4 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Vol CXXXVII, No 1-6
1961, pp 1067-1070.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 479

Nov 61

Rounding Errors in the Numerical Solution of Systems
of Simultaneous Linear Equations by Choleski's
Method and by the Method of Principal Elements,
by Ten Caen, 3 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXXVII, No 1-6
1961, pp 1071-1073.

Amer Math Soc
Sov Math
Vol 11, No 2

Sol
1071-1073
61

172, 480

Nov 61

Modulus Convergence of Multiple Fourier Series,
by M. F. Ulanov, 4 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Vol OSMANVII, No 1-6
1961, pp 1074-1077.

ABST MATH SOC
Sov MATH Math
Vol II, No 2

Sci

172,481

Nov 61

On the Synthesis of R -Circuits, by E. I. Neshiporuk,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1961, pp 1078-1081.

AIP
Sov Phys-Dok
Vol VI, No 4

Sci

*JPRS

Oct 61

On the Motion of a Body of Variable Mass with Constant
Expenditure of Power in a Gravitational Field, by
V. L. Gerasimovich, Izv. N. I. Zhukovskiy, V. P. Zhukovskiy, 4 pp.

MASSACHUSETTS, pub. by the USSR, Vol. 10, No. 5,
1965, pp. 1049-1055.

ADP
So. Phys. Div.
Vol. 11, No. 5

173, 011

Oct 6

Stability of Orthotropic Plates with Stepwise
Variable Stiffness, by M. R. Fel'dman, 6 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol SEIZNYE,
No 5, 1961, pp.1086-1089.

AIP
Sov Phys-Dok
Vol VI, No 4

Sci

173, 009

Oct 61

Broadening of the Hydrogen Lines from Arc Plasma
and Shock Tubes, by V. P. Kitzinov, N. N. Sobolev
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXXVII,
No 5, 1961, pp 1091-1094.

ANP
Sov Phys-Dok
Vol VI, No 4

Sci

173,012

Oct 61

Influence of Relaxing Elastic Stresses on the
Crystallization of Highly Viscous Liquids, by
L. V. Iverskaya, 3 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol. XXIV,
No 5, 1961, pp 1095-1097.

AIP
Sov Phys-Dok
Vol. VI, No 4

Sci

173, 011

Oct 61

Molecular Ions in the Upper Atmosphere, by A.
D. Danilov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 5,
1961, pp 1098-1101. 9095433

NASA TT F-8614

Sci
Sep 61

168,445

Nitrogen Ions in the Upper Atmosphere and
Nocturnal Ionization of the E Region, by
V. G. Istomin, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1961, pp 1102-1105. 9670745

FTD MCE-1213/1

Sci - Geophys, Phys

165,8900

1 Sept 61

Kinetics of Acetone Adsorption and Desorption
in Industrial Activated Carbons, by Yu. D.
Znamenskiy, V. M. Kisarov.

RUSSIAN, per, Dok AN SSSR, ~~Math~~ Vol CXLIII,
No 5, 1962, pp 1156-1158.

NLL M 3935

Sci - Phys
SciFeb 63

New Data on the Stratigraphy of Devonian
Dposits of the Eastern Flank of the South
Urals, by S. M. Andronov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1166-1167.

AGI

Sci

Feb 63

The Laws of the Distribution of Kimberlites in
the Eastern Part of the Siberian Platform
by A. A. Arsenyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1170-1173.

AGI

Sci

Feb 63

Ballakh, I. Ya.
EXPERIMENT WITH SEISMIC EXPLORATION IN
THE DIRECT SEARCH FOR OIL AND GAS
DEPOSITS. [1961] 4p.
Order from ATS \$6.50

ATS-36N35R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961,
v. 137, no. 5, p. 1174-1176.

DESCRIPTORS: *Geophysical prospecting, *Petroleum
*Natural gas, Deposits, *Seismic waves.

(Earth Sciences--Geology, TT, v. 7, no. 3)

62-12098

I. Ballakh, I. Ya.
II. ATS-36N35R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

The Mongol-Okhotsk Deep Fault, by
D. I. Gorzhevsky, Ye. M. Lazko, 3 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5 , 1962, pp 1177-1180.

AGI

Sci

Feb 63

Geologic Age and the Paleogeographic
Features of the Formation of the Terraces
on the Middle Yenisei River, by
S. P. Gorshkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1181-1184.

AGI

Sci

Feb 63

Continental Bone Breccia with Faceted Pebbles
on the outhern Slope of the Ukrainian
Crystalline hield, by N. N. Karlov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1185-1187.

AGI

Sci

Feb 63

The Question of the Stratigraphic
Subdivision of the Tauridian Formation of the
Crimea, by N. V. Logvinenko, G. V. Karpova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1188-1191.

AGI

Sci

Feb 63

The Interbedded Tuff Rocks in the Givetian
Deposits in the South of Tatariya, by
S. S. Ellern, V. M. Vinokurov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1192-.

AGI

Sci

Feb 63

The Volume of Solid Mineral Particles in the
Glaciers of the Caucasus, by I. M. Kisin,
I. N Stepanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII
No 1, 1962, pp 1195-.

5

AGI

Sci

Feb 63

The composition of the Clay Material of
Paleogene Concretions of the Central Volga
Land, by U. G. Distanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No5, 1962, pp 1198-1201.

AGI

Sci

Feb 63

Two Modes of Formation of the Concretions
which Form Laterites, by W. M. Fridland,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1202.

AGI

Sci

Feb 63

Kaolinite in Lower Carboniferous Coals of
the Western Donbass, by I. Ye. Leskevich,
S. V. Savchuk, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol.CXXXVII,
No 5, 1962, pp 1206-.

AGI

Sci

Feb 63

Data on the Structure of the Sedimentary
Strata of the Deep-Water Depression of the
Black Sea in the Region of Sochi, by
Yu. P. Neprochnov, M. F. Mikhno, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1209-1211.

AGI

Sci

Feb 63

The Sedimentation Rate in the Sea of Azov,
by D. G. Panov, M. K. Spichak, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No5, 1962, pp 1212-.

AGI

Sci

Feb 63

Propagation of Rayleigh Waves Along the Surface of
a Homogeneous Elastic Body of Arbitrary Shape,
by V. N. Babic, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXVIII, No 1-5
1961, pp 1263-1266.

Amer Math Soc

Sov Math

Vol II, No 2

Sci

172, 482

May 61

Crossed Products of Semigroups and a ring, by
A. A. Bovdi, 3 pp.

RUSSIAN, per Dokl. Ak. Nauk SSSR, Vol. CXXXVII, No 1-6
1961, pp 1267-1269.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 423

Nov 61

A Generalization of Abel's Theorem, by
K. V. Borozdin, 4 pp.

RUSSIAN, per Dokl. Akad. Nauk SSSR, Vol. CXXXVII,
No 1-6, 1961, pp 1270-1273.

Amer Math Soc
Sov Math
Vol. II, No 2

Sci

172, 484

Nov 61

On Characteristic Classes for Finite Groups,
by D. B. Venkov, 3 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol. CHAKVIL,
no 1-6, 1961, pp 1274-1277.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 485

Nov 61

Distortions in ~~XXX~~ Quasiconformal Mappings, by
V. Gavrilo, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
Nos 1-6, 1961, pp 1278-1279.

Amer Math Soc
Sov Math
Vol II, No 2

Sci
Oct 61

An Integral Inequality and Corresponding Embedding
Theorem, by V. P. Glusko, 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol. CXXVIII, No 1-6
1961, pp 1260-1262.

Amer Math Soc
Sov Math
Vol. II, No 2

Sci

112, 196

On the Approximation of Functions in the Spaces
 $W_p^{(1)}(D)$ and $W_p^{(1)}(\bar{D})$ by Continuously Differentiable
Functions, by V. P. Il'in, 4 pp.

RUSSIAN, per ISI AK NAUK SSR, Vol CXXXVII, No 1-6
1961, pp 1283-1286.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 487

Nov 61

Singular Goursat Problems in the Neighborhood of
Zero and Infinitely Distant Characteristics, by
M. S. Kapilevic, 4 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXXVII, No 1-6
1961, pp 1287-1290.

Amer Math Soc
Sov Math
Vol II, No 2

Sov. Nat. Sci.

172,488

Nov 61

The Galois Group of Local Fields, by Helmut
Koch, [Helmut Koch], 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXIXVII, No 1-6
1961, pp 1291-1294.

Amer Math Soc
Sov Math
Vol. II, No 2

Sci

172, 489

Nov 61

Some Spaces with Affine Connection Admitting
Motions, by Yu. I. Levin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXKXVII, No 1-6
1961, pp 1295-1298.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 498

Nov 61

Some Properties of Automorphisms of Nilpotent
Groups, by B. I. Plotkin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXXVII, No 1-6
1961, pp 1303-1306.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 472

Nov 61

New Versions and new Uses of the Dispersion
Method in Binary Additive Problems, by Yu. V.
Linnik, 3 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CXXVII, No 1-6
1961, pp 1299-1302.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 491

Nov 61

Isometric Transformations of Punctured
Convex Surfaces, by A. V. Pogorelov, 1 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol CXXXVII,
Nos 1-6, 1961, pp 1307, 1308.

Amer Math Soc
Sov Math
Vol II, No 2

Sci
Oct 61

General Form of Linear Differential Equations Whose
Order is Lowered by Means of a Generalized
Differentiation Operator D^{α} , by Yu. L. Rabinovic,
S. V. Nesterov, 3 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXVII, No 1-6,
1961, pp 1309-1311.

Amer Math Soc
Sov Math
Vol III, No 2

Sci
Math

174, 021

An Invariant Transformation of Riemannian
Spaces with Common Geodesics, by M. S.
Sinyukov, 3 pp.

RUSSIAN, per Dokl Ak. Nauk SSSR, Vol CXCVII,
No 1-6, 1961, pp 1312-1314.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 493

Nov 61

An Analogue of Poncelet-Kac's Theorem, by L. P.
Usol'tsev, 4 pp.

RUSSIAN, per Dok Ak Nauk SSR, Vol CDXXVII, No 1-6
1961, pp 1315-1318.

Amer Math Soc
Sov Math
Vol II, No 2

Sci

172, 491

Nov 61

Some Uniqueness Theorems for Functions Subharmonic
and Meromorphic in the Unit Circle; by
I. V. Usakova; 13PP.

RUSSIAN, per Dokl. Ak. Nauk SSR, Vol. CXXVII, No 1-6
1961, pp 1319-1322.

Amer Math Soc
Sov Math
Vol II, No 2

172, 495

Sci

Nov 61

Nov 61

Euclidean and Non-Euclidean Spaces, by
B. G. Yudin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXVII, No 1-6
1961, pp 1327-1330.

Amer Math Soc

Sov Math

Vol II, No 2

Sci

172, 477

Nov 61

The Solution of Boundary Value Problems with
Complicated Boundary Conditions by Using Results
for Simple Boundary Value Problems, by V. E.
Samarskiy, 4 pp.

RUSSIAN, per Dokl Ak Nauk SSR. Vol CXXXVII, No 1-6
1961, pp 1323-1326.

Amer Math Soc

Sov Math

Vol II, No 2

172,496

Sgt NOV 61

On a Model of a Cavitating Liquid, by
B. S. Kogarko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1331-1333.

AIP
Soviet Physics - Dok
Vol VI, No 4

Sci
17 Oct 61

62-14443

Malenkov, G. G.
ON THE STRUCTURE OF LIQUID WATER. [1962] 5p.
12 refs.

I. Malenkov, G. G.

Order from OTS or SLA \$1.10 62-14443

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961,
v. 137, no. 6, p. 1334-1335.

DESCRIPTORS: *Water, Liquids, Molecules,
Hydrogen, Chemical bonds.

The structure of liquid water derived from the as-
sumption of cis-bonds between molecules is in good
agreement with Pauling's results and permits to draw
the conclusion that dodecahedral formations of water
molecules exist. (Author)

(Physics--Molecular, TT, v. 9, no. 1)

The Heterocharge and Field Distribution in
Photoelectrets, by E. I. Adimovich, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1335-1336.

AIP
Sov Phys-Dok
Vol VI, No 4

Sci

172, 013

Oct 61

On the Determination of the Total Moment of a System
of n Particles Having a j^n Configuration, by
G. I. Zel'tser, 3 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol. CXXIV, No. 6, 1961, pp. 1339-1342.

AIT
Sov Phys-Dok
Vol VI, No. 6

Sci

173, 006

Oct 61

On the Acoustic Radiation from a Turbulent Flow
in the Presence of Elastic Boundaries, by
L. M. Lyamshev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII,
No 6, 1961, pp 1343-1346.

ATP
Sov Phys-Dok
Vol VI, No 4

Sci

173 008

Oct 61

Plane Sound Wave of Finite Amplitude in
a Moving Medium, by A. L. Polyakova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1347-1349.

AIP
Soviet Physics - DOK
Vol VI, No 4

Sci
17 Oct 61

2-Entry of Strongly Referenced Nuclear, by V. G. Sazonov
3 71

BRITAN, part, Dok Ak Nauk SSSR, Vol CXXIVII,
No 6, 1961, pp 1250-1253.

AIP
Sov Phys-Dok
Vol VI, No 4

Sci

173,007

Oct 61

The Structure of Liquid Water, by
G. G. Malenkov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1354-1355.

AIP
Soviet Physics - Dok
Vol VI, No 4

Sci
Oct 61

THE SYNTHESIS AND CERTAIN MAGNETIC
PROPERTIES OF THE POLYFERROCENES, BY
A. N. NESMEYANOV, ET AL, *7pp.*

~~XXXXXX~~ RUSSIAN, PER, DOK AK NAUK SSSR, *1961*
VOL CXXXVII, NO 6, PP 1370-1373.

~~XXXX~~ RAE 962

OTS TT-63-24324

SCI - CHEM

JUN 62

199,102

The Distribution of Cretaceous Pelecypods of the
Genus Trigonocides in the Continental
Deposits of Asia, by G. G. Martinson, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 5, 1962, pp 1427.

AGI

Sci

Feb 63

The Genetic Type of Clay Minerals in the
Devonian and Permo-Triassic Deposits of the
Kamsk-Vyatsk Basin, by V. R. Vlodarskaya,
G. I. Nosov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1962, pp 1430-.

AGI

Sci

Feb 63

Zonation in the contact Metamorphism of
Coals, by A. K. Matveyev, Ye. G. Martynov,.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1962, pp 1434-.

AGI

Sci

Feb 63

New Data on Mediterranean Sea Deposits,
by Ye. M. Yemelyanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1962, pp 1437-.

AGI

Sci

Feb 63

New Data on the So-Called Alushtite, by
N. V. Logvinenko, V. A. Frank-Kamenetsky,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1962, pp 1441-.

AGI

Sci

Feb 63

Manganese in Waters of the Black Sea, by
V. V. Mokyevskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVII,
No 6, 1962, pp 1445-.

AGI

Sci

Feb 63

Effect of Co⁶⁰ Gamma-Rays on Chick Embryo Intestinal
Epithelium in Tissue Culture, by A. F. Ivanitskaya,
Z. N. Faleeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,
No 6, 1961, pp 1456-1459.

AIP
Sov Phys-Dok
Vol VI, No 4

Sci
Oct 61

61-25572

Fedorov, Yu. A.
THE EFFECT OF PHOSPHORUS-CALCIUM AND
FLUORINE COMPOUNDS ON EXPERIMENTAL DEN-
TAL CARIES IN WHITE RATS (Vliyanie Fosforno-
Kal'tslevykh i Ftoristykh Soedinenii na Experi-
mental'nyi Karies Zybov u Belykh Krys) tr. by
V. Topchy. 1961, 9p. 18 refs. NRCC Technical
trans. 975.
Order from NRCC \$0.50 NRCC C-3728

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 137, no. 6, p. 1481-1484.

DESCRIPTORS: Rats, *Dental caries, Prevention,
*Organic compounds, *Phosphorus, *Calcium, *Fluo-
rides, Physiology, *Dental research.

(Biological Sciences--Medical Specialties,
TT, v. 6, no. 10)

I. Fedorov, Yu. A.
II. NRCC TT-975
III. NRCC C-3728
IV. National Research
Council of Canada

07547

Office of Technical Services

The Separation of Hydrogen Isotopes on a
Palladium Cathode, by G. N. Trusov,
RUSSIAN, per. Doklady A. N. SSSR, No 138, 1961,
NLL Ref: 9091.9F (WJ Trans. 267)

Sci/Chem
Mar 70

404,098

DOKLADY OF THE ACADEMY OF SCIENCES OF
THE USSR, EARTH SCIENCES SECTION, 1961,
VOL. 138, NOS. 1-6, P. 485-[676], Nov. 62, 1v.
Order from AGI \$8.00, \$45.00/year

Trans. of Akademiya Nauk SSSR, Doklady 1961,
v. 138, no. 1, p. 102-105, 177-206; no. 2, p. 348-354,
419-434; no. 3, p. 587-590, 631-676; no. 4, p. 890-930;
no. 5, p. 1163-1186; no. 6, p. 1341-1344, 1405-1437.

DESCRIPTORS: *Geochemistry, *Geology, *Geo-
physics, *Hydrology, *Stratigraphy, *Mineralogy,
*Paleoecology, *Permafrost, *Petroleum, Paleontology.

(Earth Sciences, TT, v. 10, no. 7)

61-12491-138

F. American Geological
Inst., Washington, D. C.

Office of Technical Services

Radiocarbon Dating of Some Quaternary
Specimens, by I. Ye. Starik, Kh. A. Arslanov,
3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 1, 1962, pp 102-.

AGI

Sci

Feb 63

Zhdanov, S. P. and Buntar, N. N.
INVESTIGATION OF CONDITIONS FOR THE FOR-
MATION OF SODIUM ZEOLITES IN LOW-TEM-
PERATURE HYDROTHERMAL SYNTHESIS. [1961]
4p.

Order from ATS \$7.85

ATS-45N55R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1961,
v. 138, no. 1, p. 119-122.

DESCRIPTORS: *Sodium, *Organolites, Synthesis,
Temperature, Low temperature research.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12128

I. Zhdanov, S. P.
II. Buntar, N. N.
III. ATS-45N55R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

CB

Office of Technical Services

B,B,B-Trichloroethyl Esters of Some Trivalent Arsenic
Acids, by Gil'm Kamay, N. A. Chadayeva, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 1,
1961, pp 123, 124.

CB

Sci

May 62

Nesmeyanov, A. N., Rubinshtein, A. M. and others.
A STUDY OF THE MAGNETIC SUSCEPTIBILITY OF
POLYALKANOPOLYFERROCENES AND POLY-
FERROCENYLENES. 13 July 61 [4]p. 11 refs.
Order from OTS or SLA \$1.10 61-18685

Trans. of Akademiya Nauk SSSR, Doklady, 1961,
v. 138 [no. 1] p. 125-126.

DESCRIPTORS: *Ferrocenes, *Magnetic susceptibility,
Paramagnetic resonance, Polymers.

The static magnetic susceptibility was measured for
magnetic field intensities of 3500 to 4500 oersteds and
temperatures from 20 to 120°. These polymers are
paramagnetic. The closer the ferrocene residues are
to each other in the molecule, the greater is the para-
magnetism. The values of the specific magnetic sus-
ceptibility of these polymers obtained in solutions were
the same as those in measurements on solid polymers.

61-18685

I. Nesmeyanov, A. N.
II. Rubinshtein, A. M.

185469

CB

(Physics--Magnetism,
TT, v. 6, no. 9)

Office of Technical Services

The Effect of the Radioactive Radiation From Y^{90} and Y^{91} on the Solubility of Yttrium Hydroxide, by V. I. Spitsyn, E. I. E. Zimakov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 1, 1961, pp 130-132.

CB

Sci

May 62

On the Nature of Sigmoid Viscosity Diagrams of Binary Systems, by Yu. Ya. Fyalkov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 1, 1961, pp 133-135.

CB

Sci

May 62

The Interaction of Triarylsilanes With Allyl Chloride,
Chlorobenzene, and p-Dichlorobenzene, by Ye. Fisher,
A. D. Petrov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 1,
1961, pp 136-138.

CB

Sci

May 62

Floshin, M. Ya., Kamneva, A. I. and others.
ELECTROCHEMICAL ADDITIVE DIMERIZATION
AS A METHOD OF SYNTHESIS OF HIGHER
DICARBOXYLIC ACIDS. [1961] 4p.
Order from ATS \$6.65

ATS-35N56R

Trans. of Akad[emiya] Nauk SSSR, Doklady 1961,
v. 138, no. 1, p. 173-176.

DESCRIPTORS: *Carboxylic acids, Acids, Synthesis,
Electrochemistry, Additives, Chemical reactions.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12126

I. Floshin, M. Ya.
II. Kamneva, A. I.
III. ATS-35N56R
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

CB

Office of Technical Services

The Origin of the Akbaytal Structures in
Central Pamir, by S. V. Ruzhentsev, 3 pp.

RUSSIAN, per, Dok Ak Nauk^{SSSR}, Vol CXXXVIII,
No 1, 1962, pp 177-180.

AGI

Sci

Feb 63

Time of the Appearance of Mediterranean
Sea Elements in the Black Sea Fauna, by
P. V. Federov, A. R. Geptner, 2 ppp.

RUSSIAN, per, Dok Ak Nauk^{SSR}, Vol CXXXVIII,
No 1, 1962, pp 181-183.

AGI

Sci

Feb 63

The Origin of the Sinian Magnesite Rocks of
the Malyy Khingan, by Yu. A. Khodak,
M. V. Chebotarev, 3 pp.

RUSSIAN, ^{SSS²}peb, Dok Ak Nauk, Vol CXXXVIII,
No 1, 1962, pp 184-.

AGI

Sci

Feb 63

The Mechanism of Isomorphous Replacement in
Carbonates of the Calcite Group which Have
a Sedimentary Origin, by N. V. Logvinenko,
G. V. Karpova, 4 pp.

SSS
RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 1, 188-191., 1962.

AGI

Sci

Feb 63

The Occurrence of Disthene Twins on the Russian
Platform, by Ye. S. Petrova , L. S. Demina, 2 pp.

RUSSIAN, per, Dok Ak Nauk^{SSSR}, Vol CXXXVIII,
No 1, 1962, pp 192-194.

AGI

Sci

Feb 63

Lithologic-Stratigraphic Division of the
Deposits of the Stage of Speckled Clays
on the Left Coast of the Ukraine SSR,
by L. I. Chimenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 1, 1962, pp 195-198.

AGI

Sci

Feb 68

Clay Minerals of the Marl-Chalk Rocks of
the Northern Donets Valley, by S. I. Shumenko,
4 pp.

^{SSR}
RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 1, 1962, pp 199-.

AGI

Sci

Feb 63

The Correlation Between the Mean Content
of Scandium and of Certain Rock-Forming
Elements in Intrusive Rocks, by L. F.
Borisenko, L. G. Zhuravlev, 4 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 1, 1962, pp 203-.

AGI

Sci -

Feb 63

Quantitative Content of Diatoms in the Indian Ocean
Sector of the Antarctic, by O. G. Kozlova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,
No 1, 1961, pp 207-210.

AGU

Sci
Dec 62

(DC-3901)

Some Constructs in the Logic of Single-
Valued Predicates, by B. A. Trakhtenbrot,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR,
Vol CXXXVIII, No 2, 1961, pp 320-321.

JERSEY 11779

Sci - Misc
Machine Translation
Jan 62

179, 992

Effect of External Drift Currents on the Magneto-
hydrodynamic Self Excitation of the Earth's Magnetic
Field, by B. A. Tverskoy,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 348-350.

MASA TT F-8032

Sci
Sep 61

also 168,671
FTD-TT-61-492 (S204)

US GOV'T ONLY

The Winter Heat Flux from the Ocean and
the Effective Radiation for a Complex
Continental Surface Structure, by
V. V. Shyleykin, 4 pp.

SSR
RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 2, 1962, pp 351-.

AGI

Sci

Feb 63

General Principles of the Stabilization of the Beta
Solid Solution in Titanium Alloys, by N. V. Ageyev,
L. A. Petrova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 359-360.

CB

Sci

May 62

A New Route for the Synthesis of Steroid Compounds,
The Total Synthesis of DL-8-Isoestrone, by V. N. [REDACTED]
Leonov, S. N. Ananchenko, I. V. Torgov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 384-386.

CB

Sci

May 62

Monocitrate Complexes of the Rare Earth Elements, by
D. I. Ryabchikov, E. K. Korchemnaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 397-398.

CB

Sci

May 62

Hydrogenation of Unsaturated Compounds at Constant
Solution Concentration, by D. V. Sokol'skiy, G. F.
Tret'yakova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 399-401.

CB

Sci

May 62

^{or}
Adsorption of Nitrogen, Argon and Crypton on Various
Surfaces and Determination of Surface Area, by
M. G. Kaganer.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~CLXXIX~~ CXXXVIII,
No 2, 1961, pp 405-408.

U.K. Atomic Energy Authority
Risley, TRG Inf Ser-117(W)

Sci - Phys
Jul 62

202,104

New Data on Lower Devonian Deposits of East
Mongolia, by V. . Bobrov, 2 pp.

RUSSIAN, per, Dok Ak Nauk, Vol. CXXXVIII,
No 2, 1964, pp 419-421.

AGI

Sci

Feb 63

The Absolute Age of the Detrital Part of
the Arenaceous-Siltstone Deposits of the
Southwest of Central Asia, by A. B. Vistelius,
A. Ya. Krylov, 4 pp.

SS²
RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 2, 1964, pp 422-425.

AGI

Sci

Feb 63

The History of the Development of the Major
Structures of the Western Flank of the
South Urals, by M. A. Kamaletdinov, 3 pp.

RUSSIAN, per, Dok Ak Nauk, Vol CXXXVIII,
No 2, 1964, pp 426-.

AGI

Sci

Feb 63